REMARKS

By this amendment, claims 13-20 have been canceled in favor of new claims 21-28. Thus, claims 1-20 have been canceled, and claims 21-28 are pending. Support for new claims 21-28 can be found at least at: column 21, lines 26-30; column 14, lines 32-63; Fig. 6; column 18, lines 40-42; column 21, lines 6-26; and Fig. 21.
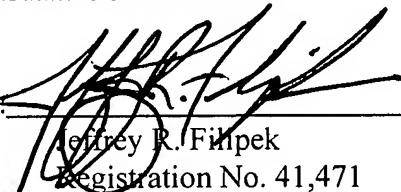
Claims 21-28 are essentially the same as canceled claims 13-20 except that the following recitation has been deleted from the independent claims 21, 23, 25, and 27:

> a distance in the vector space diagram between any closest two signal points of any adjacent two signal point groups is $2\delta \times n$, where n is a shift value which is more than 1 and 2δ represents a distance in the vector space diagram between any adjacent two signal points of the m signal points when the m signal points are allocated in the vector space diagram at equal intervals in the I axis and Q axis directions of the vector space diagram.

It is requested that the application be examined after entry of this Preliminary Amendment. The Examiner is invited to contact the undersigned attorney by telephone to resolve any remaining issues.

Respectfully submitted,

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